Applicati n No.: 09/234,028

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

	1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
	2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
	3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
X	4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
	5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
	6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
	7. Other:
Ар	plicant Must Provide:
X	An substitute computer readable form (CRF) copy of the "Sequence Listing".
X	An substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
X	A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).
For	questions regarding compliance to these requirements, please contact:
	Rules Interpretation, call (703) 308-4216
	CRF Submission Help, call (703) 308-4212 Patentin software help, call (703) 308-6856
. 0	rate intri se intra i telp, san (199) see sees

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

שם מספג פסרב מק

Raw Sequence Listing Error Summary

	ERROR DETECTED	SUGGESTED C	CORRECTION	SERIAL NUMBER:	99/234,028A					
ATTN: 1	: NEW RULES CASES: F Wrapped Nucleics	The number/text at This may occur if you	the end of each line "wi our file was retrieved in	HEADERS, WHICH WERE INSERTE apped" down to the next line. a word processor after creating it. is will prevent "wrapping".	D BY PTO SOFTWARE					
2	Wrapped Aminos	The amino acid number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".								
3	Incorrect Line Length	The rules require th	at a line not exceed 72	characters in length. This includes sp	paces.					
4	Misaligned Amino Acid Numbering	-	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.							
5	Non-ASCII		•	, as required by the Sequence Rules. h is saved in ASCII text so that it can i						
6	Variable Length	As per the rules, ea Please present the	ch n or Xaa can only re	ch represented more than one residue present a single residue. ch residue having variable length and e may be missing.						
7	Patentin ver. 2.0 "bug"	sequence(s) previously coded no	Normally, Pat	the <220>-<223> section to be missing lentin would automatically generate the Please manually copy the relevant <22	is section from the					
8	Skipped Sequences (OLD RULES)	(2) INFORMATION (i) SEQUENCE CHA (xi) SEQUENCE DE This sequence is in	FOR SEQ ID NO:X: ARACTERISTICS:(Do rescription:SEQ ID Notentionally skipped	ease use the following format for each not insert any headings under "SEQUI O:X: EQUENCES:" response to include the	ENCE CHARACTERISTICS")					
9	Skipped Sequences (NEW RULES)	Sequence(s) n <210> sequence ic <400> sequence ic 000	i number	ease use the following format for each	n skipped sequence.					
10	Use of n's or Xaa's (NEW RULES)	Use of <220> to <22	23> is MANDATORY if r	in the Sequence Listing. a's or Xaa's are present. bocation of n or Xaa, and which residu	e n or Xaa represents.					
	Use of <213>Organism (NEW RULES)	Sequence(s)	are missing this man	datory field or its response.						
	Use of <220>Feature (NEW RULES)	Use of <220> to <22 Please explain sou	3> is MANDATORY if <	ature and associated headings. 213>ORGANISM is "Artificial" or "Un I In <220> to <223> section. ol. 63, No. 104, pp. 29631-32)	known* (Sec. 1.823 of new Rules					
13	Patentin ver. 2.0 "bug"	file, resulting in miss Instead, please use	ing mandatory numeric	n of Patentin version 2.0. This causidentifiers and responses (as indicate ther means to copy file to floppy disk. Branch- 5/15/99	d on raw sequence listing).					

1653

PAGE:

RAW SEQUENCE LISTING PATENT APPLICATION US/09/234,028A DATE: 05/25/1999 TIME: 14:14:43

Input Set: 1234028A.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

el iten 13 on Euro Summer Steet Comologo Not Comply
for explantin of mining mordetry Complex Diskotto Not Comply
234,028A item, if fill was created Diskotto Needed <140> US/09/234,028A <141> 1999-01-20 <160> Den 13

ERRORED SEQUENCES FOLLOW

E>	7	<210>	2		/									,			ı	A	1
	8	<211>	456	-		_		11		~ 01	X n	1.01	1	11 8	26m)	lane	Ten	[] INCO	١.
	9	<212>	PRT		_		1		X /	/	~ /	A Y		, ,	P	-		g ever	
	10	<213>	Sus	sp.			•	•					U						
	11	<400>																	
	12		Met	Asn	Leu	Asp	Ile	His	CAa	Glu	Gln	Leu	Ser	Asp	Ala	Arg	Trp	Thr	
	13		1				5					10					15		
	14		Glu	Leu	Leu	Pro	Leu	Leu	Gln	Gln	Tyr	Glu	Val	Val	Arg	Leu	Asp	Asp	
	15					20					25					30			
	16		Суз	Gly	Leu	Thr	Glu	Glu	His	Cys	Lys	Asp	Ile	Gly	Ser	Ala	Leu	Arg	
	17				35					40					45				
	18		Ala	Asn	Pro	Ser	Leu	Thr		Leu	Cys	Leu	Arg	Thr	Asn	Glu	Leu	Gly	
	19			50					55					60					
	20		Asp	Ala	Gly	Val	His	Leu	Val	Leu	Gln	Gly		Gln	Ser	Pro	Thr		
	21		65					70					75					80	
	22		Lys	Ile	Gln	Lys	Leu	Ser	Leu	Gln	Asn	Суз	Ser	Leu	Thr	Glu		Gly	
	23						85					90					95		
	24		Cys	Gly	Val		Pro	Ser	Thr	Leu		Ser	Leu	Pro	Thr		Arg	Glu	
	25					100					105					110			
	26		Leu	His	Leu	Ser	Asp	Asn	Pro	Leu	Gly	Asp	Ala	Gly	Leu	Arg	Leu	Leu	
	27				115					120					125				
	28		Cys	Glu	Gly	Leu	Leu	Asp	Pro	Gln	Cys	His	Leu		Lys	Leu	Gln	Leu	
	29			130					135					140					
	30		Glu	Tyr	Сув	Arg	Leu	Thr	Ala	Ala	Ser	Cys		Pro	Leu	Ala	Ser	Val	
	31		145			•		150					155					160	
	32		Leu	Arg	Ala	Thr		Ala	Leu	Lys	Glu		Thr	Val	Ser	Asn	Asn	Asp	
	33						165					170					175		
	34		Ile	Gly	Glu			Ala	Arg	Val		Gly	Gln	Gly	Leu		Asp	Ser	
	35					180					185				_	190			
	36		Ala	Cys		Leu	Glu	Thr	Leu		Leu	Glu	Asn	Сув		Leu	Thr	Pro	_
	37				195					200			_		205			1	
	38		Ala	Asn	Суз	Lys	Asp	Leu	Cys	Gly	Ile	Val	Ala				Ser	Leu	
	39			210					215					220	.—				
															Pica	se rev	lew th	ie	•
												-		_					

Sequence Listing to ensure that a corresponding explanation is presented in the <220> 1 <223> fields I each sequence which presents at least one n or Xaa.

delete - hot was a de

<212> PRT Hu marton of their regionses <213> Rattus sp. Number therefier and their regionses

Glu Leu Leu Pro Leu Ile Gln Gln Tyr Gln Val Val Arg Leu Asp Asp 20 25 30

Cys Gly Leu Thr Glu Val Arg Cys Lys Asp Ile Arg Ser Ala Ile Gln
35 40 45

Ala Asn Pro Ala Leu Thr Glu Leu Ser Leu Arg Thr Asn Glu Leu Gly
50 55 60

Asp Ala Gly Val Gly Leu Val Leu Gln Gly Leu Gln Asn Pro Thr Cys
65 70 75 80

Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Ser Leu Thr Glu Ala Gly

Cys Gly Val Leu Pro Asp Val Leu Arg Ser Leu Ser Thr Leu Arg Glu

Leu His Leu Asn Asp Asn Pro Leu Gly Asp Glu Gly Leu Lys Leu Leu 115 120 125

Cys Glu Gly Leu Arg Asp Pro Gln Cys Arg Leu Glu Lys Leu Gln Leu 130 135 140

Glu Tyr Cys Asn Leu Thr Ala Thr Ser Cys Glu Pro Leu Ala Ser Val

Leu Arg Val Lys Pro Asp Phe Lys Glu Leu Val Leu Ser Asn Asn Asp 165 170 175

Phe His Glu Ala Gly Ile His Thr Leu Cys Gln Gly Leu Lys Asp Ser 180 185 190

Ala Cys Gln Leu Glu Ser Leu Lys Leu Glu Asn Cys Gly Ile Thr Ser

Ala Asn Cys Lys Asp Leu Cys Asp Val Val Ala Ser Lys Ala Ser Leu 210 215 220

Gln Glu Leu Asp Leu Gly Ser Asn Lys Leu Gly Asn Thr Gly Ile Ala 225 230 235 240

Ala Leu Cys Ser Gly Leu Leu Pro Ser Cys Arg Leu Arg Thr Leu 245 250 255

Trp Leu Trp Asp Cys Asp Val Thr Ala Glu Gly Cys Lys Asp Leu Cys 260 265 270

Arg Val Leu Arg Ala Lys Gln Ser Leu Lys Glu Leu Ser Leu Ala Gly 275 280 285

Asn Glu Leu Lys Asp Glu Gly Ala Gln Leu Leu Cys Glu Ser Leu Leu

703 308 0294

290 295 300

Glu Pro Gly Cys Gln Leu Glu Ser Leu Trp Val Lys Thr Cys Ser Leu 305 310 315

Thr Ala Ala Ser Cys Pro His Phe Cys Ser Val Leu Thr Lys Asn Ser 325

Ser Leu Phe Glu Leu Gln Met Ser Ser Asn Pro Leu Gly Asp Ser Gly 340 345 350

Val Val Glu Leu Cys Lys Ala Leu Gly Tyr Pro Asp Thr Val Leu Arg 355 360 365

Val Leu Trp Leu Gly Asp Cys Asp Val Thr Asp Ser Gly Cys Ser Ser 370 375 380

Leu Ala Thr Val Leu Leu Ala Asn Arg Ser Leu Arg Glu Leu Asp Leu 385 390 395

Ser Asn Asn Cys Met Gly Asp Asn Gly Val Leu Gln Leu Glu Ser

Leu Lys Gln Pro Ser Cys Ile Leu Gln Gln Leu Val Leu Tyr Asp Ile 420 425 430

Tyr Trp Thr Asp Glu Val Glu Asp Gln Leu Arg Ala Leu Glu Glu Glu 435 440 445

Arg Pro Ser Leu Arg Ile Ile Ser 450 455